

# How are educational outcomes affected by funding levels in New York State?

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## Overview

Our mission is to analyze district level funding and how it was allocated for each New York State School District. Data is examined for each district using data sets from the NYS Department of Education, NYS government open budget, US Census Bureau, and National Center for Education Statistics websites. In analyzing this data, we hope to answer the following questions:

- What districts have the most funding per student?
- How is funding distributed? Is it by population, ethnicity, income?
- What are the percentages of districts that get federal funding vs ones that do not? Why?
- How do the districts that received federal funding compare to the ones that did not, and what are their graduation and drop-out rates?
- Is there a correlation between educational funding and median income per household, graduation rate, or dropout rate?
- Are districts that have a higher or lower percentage of African American, Hispanic, or Asian student enrollments receiving less or more funding?

After gathering our results, we seek to predict the graduation rate of NYS students based on funding, income, and percentage of minority population with a supervised regression model.